

INN 0004 PA
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REMARKS

The above amendments to the specification at pages 14, 16 and 19 have been made to correct an error with regard to reference numeral 34. As correctly disclosed in the originally filed specification at page 10, line 5, the banknote validator includes a light guide 34. This light guide was incorrectly identified as light guide "33" in the abstract and in the specification at pages 14, 16 and 19. Accordingly, the amendments to the specification and abstract correct this error. In addition, the specification at page 10, line 5; page 13, line 29; page 16, line 1; and the abstract have been corrected to identify the light guide as a *trapezoidal* light guide (see claim 12 as originally filed).

Applicants also submit herewith proposed corrections to Figs. 10 and 12 which correctly refer to the light guide 34. In addition, Fig. 10 has additionally been corrected to include reference numerals 111 and 112, which are identified in the specification at page 14, lines 14-16.

Page 20 has been amended to correct several typographical errors.

The amendments to the specification and abstract and the proposed amendments to the drawings have been made to correct informal matters and contain no new matter. Accordingly, entry of the Amendment After Allowance and approval of the drawing changes is respectfully requested.

Respectfully submitted,

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APPENDIX
VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE ABSTRACT

Page 27, lines 17-21:

The optical sensor (305,306) comprises a [trapezial] trapezoidal light guide ([33] 34, 104), a broadband light source (350) for illuminating a banknote via the light guide ([33] 34, 104) and sensors (351, 352, 353) for detecting light reflected from the banknote via the light guide ([33] 34, 104). Filters (354, 355, 356) are arranged in front of the sensors (351, 352, 353). The light guide ([33] 34,104) is inclined relative to the banknote path (6).

IN THE SPECIFICATION

Paragraph at page 10, lines 4-7:

The lower section 16 houses a pcb 33 that extends fully across the rear of the lower moulding 17, a first generally [trapezial] trapezoidal light guide 34 and a banknote drive mechanism. The light guide 34 is mounted at its narrow end to the pcb 33 and extends vertically so that its broad end is received in the transverse slot 25.

Paragraph at page 13, lines 28-31:

A horizontal pcb 103 extends across the top of the lower moulding 60 of the upper section 15. A second [trapezial] trapezoidal light guide 104 is mounted at its narrow end to the horizontal pcb 103 and extends vertically downward so that its broad end is located in the transverse slot 95 in the lower wall 60a of the lower moulding 60.

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Paragraph at page 14, lines 11-16:

Referring to Figure 10, the broad ends of the light guides [33] 34, 104 make angles of 70° and 110° respectively to the front and rear faces of the light guides [33] 34, 104. Consequently, light guided by the light guides [33] 34, 104 is not perpendicularly incident on a banknote 109 in the banknote path 6. The narrow ends 111 of the light guides [33] 34, 104 have semi-circular cut-outs 112 which serve to spread light being shone therein.

Paragraph at page 16, lines 1-8:

The narrow end of the first [trapezial] trapezoidal light guide [33] 34 is received in the other half of the carrier 356. Light from the LED 350 is guided by the light guide [33] 34 to the banknote path 6 and light reflected by a banknote in the banknote path 6 is guided by the light guide [33] 34 to the first, second and third filters 354, 355, 356. The reflected light passing through the first filter 354 only is incident on the first phototransistor 351. The reflected light passing through the first filter 354 and the second filter 355 is incident on the second phototransistor 352. The reflected light passing through the third filter 354 only is incident on the third phototransistor 353.

Paragraph at page 19, lines 26-31:

The microcontroller 300 also continuously monitors the output of the first optical sensor 305 until a change in one or both outputs indicates that the leading edge of the banknote has reached the first light guide [33] 34. From this point on, the microprocessor 300 repeatedly samples and stores in the RAM 302 the outputs of the optical sensors 305, 306 and the magnetic sensor 307. The sampling terminates when one or both of the outputs of the second optical sensor 306 indicate that the banknote has

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Paragraph at page 20, lines 5-8:

The samples S1, S2, and S3 of the outputs of respectively the first, second and third phototransistors 351, 352, 353 of the optical sensors 305, 306 are processed according to [the following] stored algorithms to produce the values to be [compated] compared with stored reference values[: - ?].